AMENDMENTS

IN THE CLAIMS:

Please amend claims 1, 14, 19, 21, and 23 as follows:

A1

1. (Twice Amended) A device for kinetically controlling the rate of vapor diffusion during crystal growth said device having defined therein discrete diffusion pathways, wherein said pathways control the vapor diffusion rate between a crystal growth solution and a reservoir solution, the device configured for placement between the crystal growth solution and the reservoir solution.

A2

14. (Amended) A device for kinetically controlling the rate of vapor diffusion during crystal growth in a crystal growth solution comprising:

(a) a reservoir unit comprising at least one reservoir chamber.

(b) a channel unit comprising at least one discrete channel configured to control the rate of vapor diffusion between the reservoir chamber and the crystal growth solution; and

(c) a selection unit comprising an opening wherein the opening is large enough not to control the rate of vapor diffusion between the reservoir chamber and the crystal growth solution;

wherein the channel unit and the selection unit can rotate individually to align the reservoir chamber, the discrete channel, and the opening.

19. (Amended) An assembly for aiding crystal growth, said assembly comprising:

A3

a container for holding a reservoir solution;

a device configured for engaging the container, the device having defined therein discrete diffusion pathways; and

a seal.

A4

21. (Amended) The assembly of claim 20 wherein the device comprises at least two channels, wherein the channels are between a crystal growth solution and at least two different reservoir solutions.

A5

23. (Amended) The assembly of claim 19 wherein the device is made of a material porous to a vapor moving between a crystal growth solution and the reservoir solution.

Please add new claims 30 and 31:

30. (NEW) The device of claim 29 wherein the device further comprises an O-ring to provide a seal between the device and the inner sides of the container.

A6

31. (NEW) The assembly of claim 28 wherein the device further comprises an O-ring to provide a seal between the device and the inner sides of the container.